

Cumulative Index, 1968-1970

Page numbers of symposium and article titles are in **boldface** type.

- ABDOMEN, right lower quadrant, unusual roentgen patterns, 1969: April, **83-95**
- Abdominal viscera, vascular anatomy of, 1970: April, **3-29**
- Abnormalities and deformities, fetal, oligohydramnios with, 1968: Aug., 288
- polyhydramnios with, 1968: Aug., 284
- mediastinal, radiologic evaluation, pitfalls in, 1968: Dec., **451-465**
- neonatal, with disorders of amnion and amniotic fluid, 1968: Aug., **279-293**
- of kidney, classification, 1968: Aug., 192
- of tricuspid valve, congenital, angiography in, 1968: Dec., **383-398**
- vascular, gastrointestinal, selective arteriography and, 1969: April, 135, 140, 141
- Abortion, threatened, oligohydramnios in, 1968: Aug., 289
- Abrasions, thermography and, 1970: Aug., 242
- Abscess, pyogenic hepatic, scanning in, 1970: April, 108
- retropharyngeal, in infants and children, 1968: Aug., 271
- Accelerators, heavy particle, 1969: Aug., 319
- physical characteristics of, 1969: Aug., 320
- Acetabular angles, small, and associated diseases, 1968: Aug., **215-221**
- Achalasia, esophageal, 1969: April, 156-158
- at cricopharyngeus, 1969: April, 114
- Achondroplasia, differential diagnosis, 1968: Aug., **223-235**
- tarda, 1968: Aug., 227
- Acoustic neuroma, 1970: Dec., 394
- Acromegaly, treatment of, 1969: Aug., 328
- Adenocarcinoma, of pancreas, scanning in, 1970: April, 104
- capillary follicular, metastatic to right ilium, 1969: Aug., 259
- Adenoids, hypertrophied, 1968: Aug., 267
- Adenoma, parathyroid, scan of, 1969: Aug., 262
- Aged persons, esophageal disorders of, 1969: April, 161
- Agensis, renal, bilateral, oligohydramnios with, 1968: Aug., 283
- Albumin microspheres, iron-containing, labeling of, with indium-113m, 1969: Aug., 238
- Alimentary tract, radiology of (symposium), 1969: April, **1-187**. See also names of organs.
- Alkaptonuria, diagnosis of, 1970: Aug., 213
- Alkylating agents for malignant disease, 1968: April, 91
- Amebiasis, 1969: April, 58
- Ameboma of colon, 1969: April, 58
- Amnion, abnormalities, neonatal defects associated with, 1968: Aug., **279-293**
- nodosum, 1968: Aug., 289
- Amniotic fluid, composition, volume, formation, disposal, 1968: Aug., 279-282
- Amyloidosis, vs. Whipple's disease, 1969: April, 107
- Anastomoses, vascular, of abdominal viscera, 1970: April, 14-20
- Ancylostomiasis, 1969: April, 69
- Anemia, iron deficiency, whole-body scan in, 1969: Aug., 266
- Anencephaly, polyhydramnios due to, 1968: Aug., 283
- Aneurysm, aortic sinus, blood flow and, 1968: Dec., 322
- Anger camera, dynamic studies with, 1969: Aug., 244
- views, in subdural hematoma, 1969: Aug., 237
- in transpulmonary shunting, 1969: Aug., 240
- Angiocardiography, in congenitally bicuspid aortic valve, 1968: Dec., 415
- in cystic medial necrosis of ascending aorta, 1968: Dec., 442
- in isolated ventricular septal defects, 1968: Dec., 357
- in persistent atrioventricular canal, 1968: Dec., 347
- in pulmonary atresia with intact ventricular septum, 1968: Dec., 379
- in pulmonic stenosis, 1968: Dec., 368, **372-375**
- in tricuspid valve abnormalities, 1968: Dec., **383-398**
- left ventricular, 1968: Dec., 425
- in endocardial cushion defects, 1968: Dec., 343
- right ventricular, in cyanosis with decreased pulmonary vascularity and cardiomegaly, 1968: Dec., 364
- Angiodysplasias, selective arteriography and, 1969: April, 135
- Angiofibroma, nasopharyngeal, angiography and, 1970: Dec., 308
- in infants and children, 1968: Aug., 268
- Angiogram, automatic processing of, 1969: Dec., 477-478

- Angiography. See also *Arteriography*.
 cardiac. See *Angiocardiography*.
 chemodectoma and, 1970: Dec., 310
 head and neck tumors and, 1970: Dec., **307-321**
 hepatic, portal hypertension and, 1970: April, **147-167**
 in idiopathic hypertrophic subaortic stenosis, 1968: Dec., **423-435**
 in pancreatic disorders, 1970: April, 99
 infusion, of hepatic neoplasms, 1970: April, **43-51**
 nuclide, for kidney studies, 1969: Aug., 251
 selective, of hepatic neoplasms, 1970: April, **31-40**
- Angiology. See *Angiography; Arteriography*.
- Angiosarcoma, diagnosis of, 1970: Aug., 222
- Aorta, ascending, cystic medial necrosis of, 1968: Dec., **437-449**
 dissection, in cystic medial necrosis, 1968: Dec., 443
 coarctation, with congenitally bicuspid aortic valve, 1968: Dec., 414
 with left-to-right shunt, blood flow and, 1968: Dec., 324
- Aortic sinus, aneurysm, blood flow and, 1968: Dec., 322
- Aortic valve, bicuspid, congenital, complications, 1968: Dec., **409-421**
 radiologic features, 1968: Dec., 414
 with mitral valve disease, 1968: Dec., 418
 calcified, complications, 1968: Dec., 414
 disease, vs. rheumatic endocarditis, 1968: Dec., 400
 in cystic medial necrosis of ascending aorta, 1968: Dec., 442
 stenosis, when congenitally bicuspid, 1968: Dec., 411
 with left-to-right shunt, blood flow and, 1968: Dec., 324
- Aorticopulmonary septal defect, blood flow and, 1968: Dec., 321
- Aperture correction, in image processing, 1969: Dec., 453
- Appendix, calculi vs. myxoglobulosis, 1969: April, 86
 myxoglobulosis, 1969: April, 83
- Arc of Rolan, anatomy of, 1970: April, 20
- Arteries. See also under specific name.
 visceral, anatomy of, 1970: April, 3-14
- Arteriography. See also *Angiography*.
 bone disease and, 1970: Aug., **277-288**
 celiac or hepatic, in liver panangiography, 1970: April, 150, 161, 165
 coronary, percutaneous transfemoral, 1968: Dec., **467-492**
 in hepatoma in children, 1969: April, 128
 ophthalmic, 1970: Dec., 407
 selective, in gastrointestinal hemorrhage, 1969: April, **131-145**
- Arthritis, thermography and, 1970: Aug., 243
- Arthrogryposis multiplex, small acetabular or iliac angles in, 1968: Aug., 219, 220
- Ascariasis, 1969: April, 67
- Ascites, in cirrhosis, 1970: April, 71
 in pancreatic carcinoma, 1970: April, 78
- Asphyxiating dystrophy, thoracic, vs. achondroplasia, 1968: Aug., 229
- Atrial septal defects, blood flow and, 1968: Dec., 322, 323, 357
- Atrioventricular canal, complete, blood flow and, 1968: Dec., 323
- Atrioventricular canal (*Continued*)
 persistent, angiocardiography in, 1968: Dec., 347
 common, anatomy and types of, 1968: Dec., 345, 346
 differential diagnosis, 1968: Dec., 354
- Atrium, left, enlarged, in isolated ventricular septal defect, 1968: Dec., 330
- Atrophy, of bone, 1970: Aug., 193
- Auditory canal, external, tumors of, 1970: Dec., 387
- Autofluoroscope, dynamic studies with, 1969: Aug., 244
- BACK, injuries, thermography and, 1970: Aug., 243
- Barium sulfate, commercial preparations, 1969: April, **185-187**
- Bile ducts, ascariis worms in, 1969: April, 69
 disorders of, hypotonic duodenography in, 1970: April, 131
 transjugular cholangiography in, 1970: April, 56
- Biliary tract, radiology of (symposium), 1970: April, **1-145**
- Biopsy, blind needle, in hepatic neoplasms, 1970: April, 31
 methods, in bone disorders, 1970: Aug., 216, 217
- Biting, compulsive, in congenital hyperuricemia, 1968: Aug., 239
- Bladder, atonic, 1968: Aug., 159
 automatic, 1968: Aug., 158
 autonomous, 1968: Aug., 155
 base, anatomy of, 1968: Aug., 167
 effects of ectopic ureterocele on, 1968: Aug., 208
 exstrophy, small acetabular or iliac angles in, 1968: Aug., 219, 220
 innervation of, 1968: Aug., 156
 neck, pseudo, 1968: Aug., 180, 181
 neurogenic, in childhood, 1968: Aug., **155-163**
- Bleeding. See *Hemorrhage*.
- Blood, cells, peripheral, leukemia and, 1968: April, 5
 flow, cerebral, studies of, 1969: Aug., 245
 Graves' disease and, 1969: Aug., 248
 left-to-right shunts and, 1968: Dec., **319-325**
 normal, imaged after injection of pertechnetate-99m, 1969: Aug., 246-249
 parasagittal meningioma and, 1969: Aug., 247
 pulmonary, decreased, with cyanosis and cardiomegaly, 1968: Dec., **361-365**
 disorders, congenital heart disease and, 1968: Dec., 306, 307
 in endocardial cushion defects, 1968: Dec., 343
 pulmonic stenosis and, 1968: Dec., 369
 irradiation of, for leukemia, 1968: April, 84
 platelets, transfusion, for leukemia, 1968: April, 85
 vessels. See also *Arteries; Veins*.
 malformations, gastrointestinal, selective arteriography and, 1969: April, 135, 140, 141
 pulmonary, congenital heart disease and, 1968: Dec., **303-317**
 cystic medial necrosis of ascending aorta and, 1968: Dec., 439
 normal, 1968: Dec., 305
 pulmonary atresia with intact ventricular septum and, 1968: Dec., 376
 pulmonic stenosis and, 1968: Dec., 370
- Bones, changes, in leukemia in children, 1968: April, **115-130**

Bones (Continued)

- demineralization of, diffuse, in leukemia, 1968: April, 116
- disorders of. See also names of disorders.
- diagnosis of (symposium), 1970: Aug., 171-288
- arteriography in, 1970: Aug., 277-288
- biochemical basis, 1970: Aug., 207-214
- biologic basis, 1970: Aug., 183-206
- general principles, 1970: Aug., 173-181
- nature of, 1970: Aug., 227-239
- panography in, 1970: Aug., 241-249
- pathology, 1970: Aug., 215-226
- thermography in, 1970: Aug., 241-249
- tomography in, 1970: Aug., 251-258
- dysplasia, acetabular and iliac angles in, 1968: Aug., 217
- maturation, in Perthes' disease, 1968: Aug., 245-251
- mineralization of, dynamics of, 1970: Aug., 188
- of jaw, osteosarcoma of, 1970: Dec., 425-443
- periosteal formation of, in leukemia, 1968: April, 124
- physiology of, 1970: Aug., 186-190
- scanning. See under *Scanning*.
- temporal, tumors involving, 1970: Dec., 387-402
- Bone marrow, leukemia and, 1968: April, 5
- reticulum-cell sarcoma of, 1968: April, 11
- scanning. See under *Scanning*.
- virus in, leukemia and, 1968: April, 46
- Bowel. See *Intestines*.
- Bragg peak, of accelerators, 1969: Aug., 320
- Brain, dynamic studies of, 1969: Aug., 245
- Hodgkin's disease and, 1968: April, 101-105
- involvement, in juvenile gout, 1968: Aug., 239
- lymphoma and, 1968: April, 101-105
- scanning. See under *Scanning*.
- Breast, carcinoma of, electron beam treatment of, 1969: Aug., 314
- metastatic, treatment of, 1969: Aug., 326
- scanning and, 1969: Aug., 274
- Bronchogenic carcinoma. See under *Lungs*.
- Buccal mucosa, carcinoma of, electron beam treatment of, 1969: Aug., 311
- Buccogingival sulci, lesions of, electron beam treatment of, 1969: Aug., 311
- Buddha sign in fetal hydrops, 1968: Aug., 287
- Burns, caustic, of larynx, 1968: Aug., 273
- Busulfan for granulocytic leukemia, 1968: April, 92

- CALCIFICATION, in medullary thyroid carcinoma, 1970: Dec., 471, 473
- pancreatic, 1970: April, 99
- Calcium, serum and urine, normal values, 1970: Aug., 207
- Calcium-47 in bone scanning, 1969: Aug., 272
- Calvaria. See *Skull*.
- Cancer. See *Carcinoma*.
- Carcinoma. See also *Tumors*; specific lesions, and names of organs.
- disseminated, bone changes in, 1970: Aug., 201
- electron beam treatment of, 1969: Aug., 309-316
- gastrointestinal, in young people, 1969: April, 121-130
- immunotherapy for, 1969: Aug., 353

Carcinoma (Continued)

- metastatic, bone scanning and, 1970: Aug., 263, 264
- neural involvement and, 1970: Dec., 445-461
- vs. thoracic reticulum cell sarcoma, 1968: April, 149
- of bone, thermography and, 1970: Aug., 243
- of liver, metastatic, angiography in, 1970: April, 33
- scanning in, 1970: April, 108
- of lungs, radiologic features, 1968: Dec., 461
- of mouth, electron beam treatment of, 1969: Aug., 310
- of nasopharynx, 1970: Dec., 323-342
- of pancreas, hypotonic duodenography in, 1970: April, 129
- lymphography in, 1970: April, 76, 78
- of prostate, scans showing, 1969: Aug., 275
- of thyroid, pheochromocytoma and, 1970: Dec., 469
- roentgen diagnosis of, 1970: Dec., 463-474
- treatment of, high-energy heavy charged particles and, 1969: Aug., 325
- Cardiac. See also *Heart*.
- Cardiac output, increased, pulmonary vasculature and, 1968: Dec., 308
- Cardiomegaly, in endocardial cushion defects, 1968: Dec., 343
- in isolated ventricular septal defect, 1968: Dec., 331
- with prominent pulmonary vasculature, 1968: Dec., 335
- with cyanosis and decreased pulmonary vascularity, 1968: Dec., 361-365
- Carman's meniscus sign in gastric ulcer, 1969: April, 15
- Carotid body, tumors of, angiography and, 1970: Dec., 310
- Cartilage, laryngeal, dysplasia of, 1968: Aug., 274
- Cartilage-hair hypoplasia vs. achondroplasia, 1968: Aug., 224
- Catheter, infusion, in hepatic angiography, 1970: April, 43
- Catheterization, balloon, in colon examination, 1969: April, 34
- hepatic vein, 1970: April, 148
- in percutaneous transfemoral coronary arteriography, 1968: Dec., 468
- Cecum, endometriosis, 1969: April, 93
- Celiac artery, anatomy of, 1970: April, 3
- Cells, radiosensitivity of, 1969: Aug., 282
- Central nervous system. See *Brain*; *Spinal cord*.
- Cerebral blood flow, studies of, 1969: Aug., 245
- Chagas' disease, 1969: April, 65
- Chalasia, esophageal, at cricopharyngeus, 1969: April, 117
- Chemodectoma, 1970: Dec., 388
- angiography and, 1970: Dec., 310
- Chemotherapy, for Hodgkin's disease, lymphoma and leukemia, 1968: April, 91-95
- radiotherapy and, planning of, 1969: Aug., 288
- Chest wall, electron beam treatment of, 1969: Aug., 314, 315
- Children. See also *Infancy*; *Newborn*.
- cystic disease of kidney in, 1968: Aug., 191-203
- ectopic ureterocele in, 1968: Aug., 205-214
- neurogenic bladder in, 1968: Aug., 155-163

Children (*Continued*)

- radiology of (symposium), 1968: Aug., **153-294**
upper respiratory tract infection in, 1968: Aug., **265-277**
- Chlorambucil for chronic lymphocytic leukemia, 1968: April, 92
- Choanal atresia in infants and children, 1968: Aug., 266
- Cholangiocarcinomas, angiography in, 1970: April, 37
- Cholangiography, lateral view in, 1970: April, **139-145**
transjugular, 1970: April, **53-67**
complications of, 1970: April, 60
indications for, 1970: April, 55
technique of, 1970: April, 53
- Cholecystography, technical aspects of, 1970: April, **85-97**
- Chondritis, laryngeal, obstructive, 1968: Aug., 276
- Chondroblastoma, diagnosis of, 1970: April, 221
- Chondroectodermal dysplasia vs. achondroplasia, 1968: Aug., 227
- Chondromyxoid fibroma, diagnosis of, 1970: Aug., 221
- Chondrosarcoma, diagnosis of, 1970: Aug., 222
arteriography in, 1970: Aug., 282, 283
- Cineradiography, of esophagus, 1969: April, 151-154
of gastrointestinal tract, 1969: April, **163-173**
- Circular accelerators, 1969: Aug., 319
- Circulation. See *Blood flow; Blood vessels.*
- Cirrhosis, lymphography in, 1970: April, 70
portal hypertension in, liver panangiography in, 1970: April, **147-167**
scanning in, 1970: April, 110
- Clonorchiasis, 1969: April, 77
- "Cold" nodule, in thyroid, scan of, 1969: Aug., 258
- Colitis, ulcerative, in childhood, carcinoma and, 1969: April, 125
- Colon, ameboma of, 1968: April, 58
carcinoma, colloid, calcifications, vs. myxoglobulosis of appendix, 1969: April, 86
in young people, 1969: April, 123
vs. ileal prolapse, 1969: April, 88
examination, balloon catheter in, 1969: April, 34
double-contrast (air), special preparations for, 1969: April, 33
relation to proctoscopy, 1969: April, 34
survey of techniques, 1969: April, **27-42**
- hemorrhage, localization by arteriography, 1969: April, 144
- honeycomb appearance, in schistosomiasis, 1969: April, 77
- polyps, in childhood, carcinoma and, 1969: April, 125
multiple, with bloody stools, in schistosomiasis, 1969: April, 75
- volvulus, in Chagas' disease, 1969: April, 66
- Communications theory, roentgen imaging and, 1969: Dec., 420
- Computer, image processing and, 1969: Dec., **461-471**
- Connective tissue, reaction to electron beam therapy, 1969: Aug., 303
- Contrast enhancement, in image processing, by computer, 1969: Dec., 463
technique and results, 1969: Dec., 452-457
- Contusions, thermography and, 1970: Aug., 242
- Cor triatriatum, pulmonary vasculature and, 1968: Dec., 313
- Coronary arteries, anomalies, blood flow and, 1968: Dec., 321
normal, 1968: Dec., 468
- Coronary arteriography, percutaneous transfemoral, 1968: Dec., **467-492**
- Cortex, of bone, roentgen diagnosis based on changes in, 1970: Aug., 197-205
- Coxa plana, idiopathic, longitudinal growth and skeletal maturation in, 1968: Aug., **245-251**
- Coxa vara, idiopathic, vs. metaphyseal dysostosis, 1968: Aug., 225
- Cranial nerves, in dissemination of head and neck tumors, 1970: Dec., **445-461**
metastatic invasion of, roentgen signs in, 1970: Dec., 455
tomography and, 1970: Dec., 458
- Cranium. See *Skull.*
- Cricopharyngeus, function, cinefluorography in study of, 1969: April, 165
disorders, 1969: April, **113-119**
- Croup, respiratory obstruction due to, 1968: Aug., 275
- Cushing's disease, treatment of, 1969: Aug., 329
- Cyanosis, with decreased pulmonary vascularity and cardiomegaly, 1968: Dec., **361-365**
- Cyclophosphamide for lymphoma, 1968: April, 92
- Cyclotrons, application of, 1969: Aug., 217
compact, availability and production of short-lived positron emitters by, 1969: Aug., **207-219**
hospital-based, 1969: Aug., 212
operation of, 1969: Aug., 213
- Cystic artery, variations of, 1970: April, 8
- Cystic disease of kidneys, in infants and children, 1968: Aug., **191-203**. See also under *Kidney.*
- Cystic hygroma, retropharyngeal, 1968: Aug., 272
- Cystic medial necrosis of ascending aorta, radiology in, 1968: Dec., **437-449**
- Cysticercosis, 1969: April, 72
- Cystourethrogram, normal, 1968: Aug., **165-189**
- Cysts. See also under name of organ or part.
bone, aneurysmal, diagnosis of, 1970: Aug., 223
of liver, scanning in, 1970: April, 108, 110
thyroglossal, 1968: Aug., 272
- Cytosan. See *Cyclophosphamide.*
- DEGLUTITION, cinefluorography in study of, 1969: April, 164
difficulty, caused by functional disorders at pharyngo-esophageal junction, 1969: April, 113
esophageal function in, normal, 1969: April, 148-151
- Diabetes mellitus, maternal, polyhydramnios due to, 1968: Aug., 284
- Diabetic retinopathy, treatment of, 1969: Aug., 326
- Diaphragm, accessory, 1968: Aug., **253-263**
- Hodgkin's disease and, 1968: April, 136-141
- urogenital, anatomy and physiology, 1968: Aug., 176
clinical significance, 1968: Aug., 182
- Diarrhea, medullary thyroid carcinoma and, 1970: Dec., 468

- Diastematomyelia as cause of neurogenic bladder, 1968: Aug., 162
- Diastrophic dwarfism vs. achondroplasia, 1968: Aug., 230
- Diet, before colon examination, 1969: April, 32
- Diverticulitis, of terminal ileum, 1969: April, 88
- Diverticulum, Meckel's, calculi in, vs. myxoglobulosis of appendix, 1969: April, 86
- reflux examination and, 1969: April, 180
- vs. ileal, 1969: April, 90
- posterior pharyngeal, cricopharyngeal achalasia and, 1969: April, 116
- Dose-time integral, estimation of, 1969: Aug., 199
- Dosimetry, radiation, in pancreatic disorders, 1970: April, 100
- radionuclide, 1969: Aug., **195-205**
- Double-contrast examination, of colon, special preparations for, 1969: April, 33
- Down's syndrome, acetabular and iliac angles in, 1968: Aug., 217
- Drummond, marginal artery of, anatomy of, 1970: April, 20
- Dual reading, of roentgenograms, advantages and disadvantages, 1969: Dec., 386
- Ductus arteriosus, patent, blood flow and, 1968: Dec., 320
- Duodenography, hypotonic, 1970: April, **125-137**
- complications of, 1970: April, 126
- in pancreatic carcinoma in children, 1969: April, 129
- indications for, 1970: April, 134
- tubeless method, 1970: April, 136
- Duodenum, atresia, polyhydramnios due to, 1968: Aug., 284
- cinelfluorography in study of, 1969: April, 169
- hemorrhage, localization by arteriography, 1969: April, 132
- ulcer of, bleeding, localization by arteriography, 1969: April, 132, 137
- Dwarfism, achondroplastic, differentiation, 1968: Aug., **223-235**
- diastrophic, 1968: Aug., 230
- in cartilage-hair hypoplasia, 1968: Aug., 224
- in dysplasia epiphysealis, 1968: Aug., 232
- in metaphyseal dysostosis, 1968: Aug., 224
- metatropic, 1968: Aug., 232
- Dynamic studies, with newer instrumentation, 1969: Aug., **243-255**
- Dysostosis, metaphyseal, vs. achondroplasia, 1968: Aug., 224
- Dysplasia. See also structure involved.
- chondroectodermal, vs. achondroplasia, 1968: Aug., 227
- epiphysealis capitis femoris, 1968: Aug., 247
- epiphysealis punctata, vs. achondroplasia, 1968: Aug., 232
- myotonic, cricopharyngeal achalasia in, 1969: April, 117
- of cartilage, laryngeal, 1968: Aug., 274
- renal, 1968: Aug., 191
- cystic, familial, bilateral, 1968: Aug., 197
- skeletal, acetabular and iliac angles in, 1968: Aug., 217
- Dystrophy. See also structure involved.
- asphyxiating, thoracic, vs. achondroplasia, 1968: Aug., 229
- EAR, inner, tumors of, 1970: Dec., 394
- middle, tumors of, 1970: Dec., 388
- Ebstein's anomaly of tricuspid valve, angiocardiology in, 1968: Dec., 384
- clinical signs, 1968: Dec., 361
- Echinococcal cyst, of liver, scanning in, 1970: April, 110
- Echinococcosis, 1969: April, 73
- Effusion, intrapulmonary, in Hodgkin's disease, 1968: April, 136
- pleural, vs. retrosternal mass, 1968: April, 135
- Eisenmenger's complex, 1968: Dec., 337
- Elderly. See *Aged persons*.
- Electrocardiography, in pulmonary atresia with intact ventricular septum, 1968: Dec., 376
- Electron beam, characteristics of, 1969: Aug., 301
- radiation therapy with, 1969: Aug., **301-317**
- clinical applications of, 1969: Aug., 309-316
- tissue reactions to, 1969: Aug., 302
- Ellis-van Creveld syndrome, 1968: Aug., 227
- Embryonal rhabdomyosarcoma of nasopharynx, 1968: Aug., 268
- Encephalocele, occipital, 1968: Aug., 284, 285
- Endocardial cushion defects, 1968: Dec., **343-360**
- blood flow and, 1968: Dec., 323
- Endocarditis, infective, and congenitally bicuspid aortic valve, 1968: Dec., 409
- rheumatic, vs. adult forms of heart disease, 1968: Dec., **399-408**
- Endometriosis, of cecum, 1969: April, 93
- Enema, before colon examination, 1969: April, 32
- Enteritis, regional, reflux examination and, 1969: April, 181
- Epiglottitis, respiratory obstruction due to, 1968: Aug., 275
- Epiphyseal dysplasia, punctate, vs. achondroplasia, 1968: Aug., 232
- Epiphysis, irregular mineralization, in Perthes' disease, 1968: Aug., 247
- Erythroblastosis fetalis, exchange transfusion for, fluoroscopic control of, 1967: April, **67-72**
- with hydrops, polyhydramnios due to, 1968: Aug., 284
- Esophagus, achalasia, 1969: April, 156-158
- at cricopharyngeus, 1969: April, 114
- atresia, polyhydramnios due to, 1968: Aug., 284, 286
- carcinoma, in young people, 1969: April, 121
- cinelfluorography in study of, 1969: April, 166
- disorders, in aged, 1969: April, 161
- hemorrhage, localization by arteriography, 1969: April, 132
- motility, disorders, roentgen diagnosis, 1969: April, **147-162**
- normal anatomy and physiology, 1969: April, 147-151
- roentgenographic anatomy and function, 1969: April, 151-154
- spasm, diffuse, roentgen diagnosis, 1969: April, 158, 161
- varices, localization by arteriography, 1969: April, 132, 134
- Ewing's sarcoma, diagnosis of, 1970: Aug., 222
- arteriography in, 1970: Aug., 280, 283
- Eye, orbital tumors, roentgen diagnosis of, 1970: Dec., **403-412**

- Eyelid, carcinoma of, electron beam treatment of, 1969: Aug., 309
- FACE mask, for electron beam therapy, 1969: Aug., 306
- Facies, Potter's, 1968: Aug., 288
- Fetus, abnormalities, with oligohydramnios, 1968: Aug., 288
with polyhydramnios, 1968: Aug., 284
- Fibroma, chondromyxoid, diagnosis of, 1970: Aug., 221
- Fibula, osteogenic sarcoma of, 1969: Aug., 260
- Filtering, in image processing, by computer, 1969: Dec., 464
- Flukes, blood, 1969: April, 74
liver, 1969: April, 77
- Fluorine-18, in bone scanning, 1969: Aug., 272
- Fluoroscopy, cine, of gastrointestinal tract, 1969: April, 163-173
equipment, survey of current use, 1969: April, 36
- Fluorosis, diagnosis of, 1970: Aug., 203
- Foreign body, in hypopharynx or larynx, 1968: Aug., 272
- Fossa navicularis, 1968: Aug., 177
- Fourth circulation, 1968: April, 26
- Fractures, LeFort, panography and, 1970: Aug., 247, 248
macrotomography of, 1970: Aug., 257
thermography and, 1970: Aug., 242
- GALLBLADDER, nonfunctioning, 1970: April, 96
tomography of, 1970: April, 89
- Gallium-68, in bone scanning, 1969: Aug., 273
- Gardner's disease, in child, nod, carcinoma and, 1969: April, 125
- Gastrointestinal tract, carcinoma, in young people, 1969: April, 121-130
cinefluorography, 1969: April, 163-173
disorders, medullary thyroid carcinoma and, 1970: Dec., 468
hemorrhage, selective arteriography in diagnosis, 1969: April, 131-145
tropical diseases, 1969: April, 57-81
wall of, lymphoid tumor of, 1968: April, 9
- Giant cell tumor, arteriography and, 1970: Aug., 282
- Giardiasis, 1969: April, 64
- Gingiva, lesions of, electron beam treatment of, 1969: Aug., 311
- Glands. See names of specific glands.
- Glaucoma, hypotonic duodenography and, 1970: April, 127
- Glomerular filtration rate, ytterbium-169 DTPA and, 1969: Aug., 235
- Glomus intravagale, tumors of, angiography and, 1970: Dec., 311
- Glomus jugulare, tumors of, angiography and, 1970: Dec., 310
- Goiter, retropharyngeal, 1968: Aug., 272
- Goodpasture's syndrome, 1968: Dec., 464
- Gold-198 colloid, in liver scanning, 1970: April, 106
- Gout, juvenile, with brain involvement, 1968: Aug., 239, 241, 242
- Granulomatosis, malignant. See *Hodgkin's disease*.
- Granulomatous diseases, bone changes in, 1970: Aug., 201
- Graves' disease, blood flow and thyroid trapping in, 1969: Aug., 248
- Growth, longitudinal, in Perthes' disease, 1968: Aug., 245-251
- HAIR-CARTILAGE hypoplasia vs. achondroplasia, 1968: Aug., 224
- Halo sign in fetal hydrops, 1968: Aug., 287
- Hamartoma, lymphoid, 1968: April, 15-24
of liver, angiography in, 1970: April, 38
- Hampton's line in gastric ulcer, 1969: April, 12, 13
- Head, and neck, tumors of, angiography and, 1970: Dec., 307-321
diagnosis of (symposium), 1970: Dec., 291-485
dissemination via cranial nerves, 1970: Dec., 445-461
- Heart. See also *Atrium*; *Cardiac*; *Ventricles*.
appearance, in cystic medial necrosis of ascending aorta, 1968: Dec., 439
in pulmonary atresia with intact ventricular septum, 1968: Dec., 376
in pulmonic stenosis, 1968: Dec., 370
disease, adult, vs. rheumatic endocarditis, 1968: Dec., 399-408
congenital, pulmonary vasculature in, 1968: Dec., 303-317
hydatid, radiologic features, 1969: Dec., 458
rheumatic, vs. pulmonic stenosis, 1968: Dec., 372
enlarged. See *Cardiomegaly*.
failure, left ventricular, pulmonary vasculature and, 1968: Dec., 313
right ventricular, pulmonary vasculature and, 1968: Dec., 311
radiology of (symposium), 1968: Dec., 299-492
valves. See also names of valves.
obstruction or regurgitation, vs. rheumatic endocarditis, 1968: Dec., 400
- Hemangioendothelioma of infancy, angiography in, 1970: April, 38
- Hemangioma, arteriography in diagnosis, 1970: Aug., 286
of head or neck, angiography and, 1970: Dec., 314
of liver, angiography in, 1970: April, 37
- Hematoma, Anger camera image of, 1969: Aug., 237
- Hemodynamics. See *Blood, flow*.
- Hemorrhage, gastrointestinal, selective arteriography in diagnosis, 1969: April, 131-145
- Hemorrhagic pulmonary-renal syndrome, 1968: Dec., 464
- Hepatic. See also *Liver*.
- Hepatic artery, variations of, 1970: April, 4
- Hepatoma, angiography in, 1970: April, 36
in children, 1969: April, 126
portal vein thrombosis and, 1970: April, 33, 37
- Hernia, diaphragmatic, 1968: Dec., 455
- Herpes zoster, Hodgkin's disease and, 1968: April, 105
lymphoma and, 1968: April, 105
- Highlight inversion, in image processing, 1969: Dec., 453
- Hip joint, macrotomography of, 1970: Aug., 257

- Hodgkin's disease, animal models of lymphoma and, 1968: April, 37-38
 changing concepts in (symposium), 1968: April, 1-149
 chemotherapy for, 1968: April, 91-95
 cranial nerves and, 1968: April, 105
 diagnosis of, 1968: April, 6-9
 diaphragm and, 1968: April, 136-141
 disseminated, bone changes in, 1970: Aug., 202
 extrapulmonary thoracic manifestations of, 1968: April, 131-141
 herpes zoster and, 1968: April, 105
 hilar lymph nodes and, 1968: April, 131
 immunological considerations in, 1968: April, 35, 41-44
 intrapulmonary effusion in, 1968: April, 136
 intracranial involvement in, 1968: April, 101-105
 lung parenchyma and, 1968: April, 131
 lymph node biopsy in, 1968: April, 6
 mechlorethamine for, 1968: April, 91
 mediastinal lymph nodes and, 1968: April, 131
 mode of spread of, animal model for, 1968: April, 25-40
 neurologic manifestations and complications of, 1968: April, 97-109
 nitrogen mustard for, 1968: April, 91
 paraspinal mass in, 1968: April, 131-134
 peripheral nerves and, 1968: April, 105
 pregnancy and, 1968: April, 111-114
 prognosis in, 1968: April, 6
 radiation therapy for, dissemination and, 1968: April, 37
 extended-field, 1968: April, 63-70
 neurologic complications of, 1968: April, 105-106
 retrosternal mass in, 1968: April, 134-136
 scanning and, 1969: Aug., 268, 269
 staging classification for, 1968: April, 64
 thymus gland and, 1968: April, 9, 42
 vinblastine for, 1968: April, 93
 Hookworm disease, 1969: April, 69
 Hormones. See under name of hormone.
 Human serum albumin microspheres, 1969: Aug., 238
 Hydatid disease, 1969: April, 73
 of heart, radiologic features, 1968: Dec., 458
 Hydranmios, 1968: Aug., 282-287
 Hydrops, fetal, polyhydramnios due to, 1968: Aug., 284, 286
 Hygroma, cystic, retropharyngeal, 1968: Aug., 272
 Hyperadrenocorticism, diagnosis of, 1970: Aug., 198
 Hyperbaric oxygen, in radiation therapy, 1969: Aug., 345-351
 Hypercalcemia, idiopathic, diagnosis of, 1970: Aug., 203
 Hyperkinesia, cardiac, pulmonary vasculature and, 1968: Dec., 308
 Hyperostosis, cortical, infantile, diagnosis of, 1970: Aug., 202
 Hyperparathyroidism, diagnosis of, 1970: Aug., 197
 primary, bone changes in, 1970: Aug., 192
 serum chemistry in, 1970: Aug., 212
 secondary, bone changes in, 1970: Aug., 194
 Hyperphosphatasemia, bone changes in, 1970: Aug., 203
 Hypersensitivity, delayed, Hodgkin's disease and, 1968: April, 41
 thymus gland and, 1968: April, 42
 Hypertension, portal, in cirrhosis, 1970: April, 71
 liver panangiography and, 1970: April, 147-167
 pulmonary, hyperkinetic, 1968: Dec., 334
 pulmonary arterial, 1968: Dec., 312
 primary, vs. pulmonic stenosis, 1968: Dec., 371
 pulmonary venous, 1968: Dec., 312, 313
 Hyperuricemia, primary, 1968: Aug., 239
 Hyperuricosuria, congenital, 1968: Aug., 239-243
 Hypochondroplasia vs. achondroplasia, 1968: Aug., 226
 Hypoparathyroidism, bone changes in, 1970: Aug., 202
 Hypopharynx, lesions of, electron beam treatment of, 1969: Aug., 312
 obstruction, in infants and children, 1968: Aug., 272
 roentgen examination of, 1970: Dec., 361-386
 tumors of, roentgen findings, 1970: Dec., 379
 Hypophosphatasia, diagnosis of, 1970: Aug., 201
 small acetabular or iliac angles in, 1968: Aug., 219, 220
 Hypophysis. See *Pituitary gland*.
 Hypoplasia, cartilage-hair, vs. achondroplasia, 1968: Aug., 224
 Hypotonic duodenography, 1970: April, 125-137.
 See also *Duodenography*.
¹³¹I-LABELED rose bengal, excretion of, liver function and, 1970: April, 115
 Ileum, prolapse, 1969: April, 87
 terminal, diverticulitis, 1969: April, 88
 intussuscepting lymphoma, 1969: April, 91
 Iliac angles, small, and associated diseases, 1968: Aug., 215-221
 Iliac index in mongoloidism, 1968: Aug., 217
 Image, roentgen, perception of (symposium), 1969: Dec., 379-501. See also *Perception*.
 processing of, automatic, 1969: Dec., 473-483
 computer, 1969: Dec., 461-471
 electro-optical, 1969: Dec., 447-460
 Image subtraction, by computer, 1969: Dec., 469
 Immune response, tumor detection and, 1969: Aug., 262
 Immunology, tumor, radiation therapy and, 1969: Aug., 353-364
 Incisura, intermuscular, anatomy and physiology, 1968: Aug., 175
 clinical significance, 1968: Aug., 182
 Inclusion cysts of oropharynx, 1968: Aug., 272
 Indium generators, 1969: Aug., 229
 Indium-113m, decay scheme for, 1969: Aug., 231
 in bone scanning, 1969: Aug., 273
 Infancy, hemangioendothelioma of, angiography in, 1970: April, 38
 obstructive jaundice in, ¹³¹I-labeled rose bengal test in, 1970: April, 118
 Infantile polycystic disease of kidneys, 1968: Aug., 194
 Infants. See *Children; Newborn*.
 Infusion hepatic angiography, 1970: April, 43-51
 Inner ear, tumors of, 1970: Dec., 394
 Intermuscular incisura, anatomy and physiology, 1968: Aug., 175
 clinical significance, 1968: Aug., 182.

- Intestines, large, hemorrhage, localization by arteriography, 1969: April, 144
 pseudo-obstruction, cinefluorography in study of, 1969: April, 172
 small, carcinoma, in young people, 1969: April, 123
 hemorrhage, localization by arteriography, 1969: April, 135
 obstruction, reflux examination and, 1969: April, 177
 with localized and nonspecific ulceration, 1969: April, **97-103**
 reflux examination, 1969: April, **175-184**
 "sandlike" mucosal folds, in macroglobulinemia with steatorrhea, 1969: April, 44
 thickening of mucosal folds in Whipple's disease, 1969: April, 106
 ulceration, localized and nonspecific, 1969: April, **97-103**
 Intraoral stents, for electron beam therapy, 1969: Aug., 306, 307
 Iron deficiency anemia, whole-body marrow scan showing, 1969: Aug., 266
 Irradiation. See *Radiation therapy*.
- Jaw, osteosarcoma of, 1970: Dec., **425-443**
- KIDNEY. See also *Renal*.
 agenesis, bilateral, oligohydramnios with, 1968: Aug., 288
 aplastic, 1968: Aug., 192
 cystic disease, cortical, 1968: Aug., 199
 in infants and children, 1968: Aug., **191-203**
 in nephrons and collecting ducts, 1968: Aug., 194-203
 medullary, 1968: Aug., 199
 unilateral, 1968: Aug., 202
 dynamic studies of, 1969: Aug., 251
 dysplasia, 1968: Aug., 191
 cystic, familial, bilateral, 1968: Aug., 197
 ectopic, dystocia due to, 1967: April, 12
 effects of ectopic ureterocele on, 1968: Aug., 207
 hypoplastic, in oligohydramnios, 1968: Aug., 289
 maldevelopment, parenchymal, classification, 1968: Aug., 192
 multicystic, 1968: Aug., 192
 polycystic disease, 1968: Aug., 194, 195
 in oligohydramnios, 1968: Aug., 289
 sponge, medullary, 1968: Aug., 199
 Kirkin's meniscus complex, in gastric ulcer, 1969: April, 17
 Krypton, in lung studies, 1969: Aug., 251
- LAMINECTOMY, for neurologic manifestations of lymphoma, 1968: April, 100
 Laminography, in biliary tract disease, 1970: April, 139, 140
 Laryngotracheobronchitis, respiratory obstruction due to, 1968: Aug., 275
- Larynx, atresia of, 1968: Aug., 273
 burns, caustic, 1968: Aug., 273
 infections, obstructive, 1968: Aug., 275
 obstruction, in infants and children, 1968: Aug., 272
 roentgen examination of, 1970: Dec., **361-386**
 tumors of, electron beam treatment of, 1969: Aug., 312
 obstructive, 1968: Aug., 276
 roentgen findings, 1970: Dec., 368
 Laxative, before colon examination, 1969: April, 32
 Legg-Calve-Perthes' disease, longitudinal growth and skeletal maturation in, 1968: Aug., **245-251**
 Lesch-Nyhan syndrome, 1968: Aug., 239
 Leukemia, acute, radiation therapy for, 1968: April, 84
 whole-body marrow scan showing, 1969: Aug., 266
 antibody studies in, 1968: April, 53-54
 blood cell count in, 1968: April, 5
 bone changes with, in children, 1968: April, **115-130**
 bone marrow biopsy in, 1968: April, 5
 bone marrow virus in, 1968: April, 46
 changing concepts in (symposium), 1968: April, **1-149**
 chemotherapy for, 1968: April, 84, **91-95**
 chronic, radiation therapy for, 1968: April, 83
 demineralization of bones in, 1968: April, 116
 etiology of, virus, 1968: April, **45-55**
 granulocytic, chronic, busulfan for, 1968: April, 92
 induction by irradiation, 1968: April, **57-61**
 lymphocytic, chronic, chlorambucil for, 1968: April, 92
 metaphysical bands in, 1968: April, 116
 mycoplasma and, 1968: April, 52-53
 nodal manifestations of, 1968: April, 4-6
 osteolysis in, 1968: April, 122
 periosteal reaction in, 1968: April, 124
 PPLD and, 1968: April, 52-53
 radiation therapy for, 1968: April, **83-89**
 vs. lymphoma, 1968: April, 4
 vs. lymphosarcoma, 1968: April, 5
 Lhermitte's sign, radiation therapy and, 1968: April, 105
 Linear accelerators, 1969: Aug., 320
 Lingual thyroid, 1968: Aug., 272
 Lip, carcinoma of, electron beam treatment of, 1969: Aug., 309
 Liver, abscess, in amebiasis, 1969: April, 58
 angiography of, portal hypertension and, 1970: April, **147-167**
 disorders of, lymphography in, 1970: April, 69-75
 echinococcus cysts in, 1969: April, 73
 function, evaluation of, 1970: April, 115
 herniation, intrathoracic, radiologic features, 1968: Dec., 455, 456
 neoplasms of, infusion angiography in, 1970: April, **43-51**
 selective angiography in, 1970: April, **31-40**
 radiology of (symposium), 1970: April, **1-145**
 scanning, indications for, 1970: April, 119
 radioisotopes in, 1970: April, **115-123**
 radionuclides in, 1970: April, 104-112
 tumors, in children, 1969: April, 126

- Lungs. See also *Pulmonary*.
 blood flow. See under *Blood, flow*.
 blood vessels of. See under *Blood, vessels*.
 carcinoma, hilar, radiologic features, 1968: Dec., 461
 dynamic studies of, 1969: Aug., 251
 in oligohydramnios, 1968: Aug., 289
 parenchyma of, Hodgkin's disease and, 1968: April, 131
- Lymph nodes, biopsy, Hodgkin's disease and, 1968: April, 6
 cervical, electron beam therapy for, 1969: Aug., 313
 medullary thyroid carcinoma and, 1970: Dec., 464
 reticulum cell sarcoma of, 1968: April, 11
 thoracic, Hodgkin's disease and, 1968: April, 131
 tumors of, benign, 1968: April, 15
 malignant, 1968: April, 3-13. See also *Lymphoma*.
- Lymphangiectasia, intestinal, vs. Whipple's disease, 1969: April, 110
- Lymphangiography, in lymphoma with neurologic manifestations, 1968: April, 98, 100
 in macroglobulinemia with steatorrhea, 1969: April, 46
- Lymphoblastoma, 1968: April, 10
- Lymphocytes, life span of, 1968: April, 28
 migration of, 1968: April, 25-28
- Lymphocytoma, 1968: April, 10
- Lymphoepithelioma of nasopharynx, 1968: Aug., 268
- Lymphography, in liver and pancreatic disorders, 1970: April, 69-79
- Lymphoid tissue, tumors of, 1968: April, 9-12
- Lymphoma, 1968: April, 3-13
 animal model of, 1968: April, 25-40
 benign, 1968: April, 9-12
 changing concepts in (symposium), 1968: April, 1-149
 chemotherapy for, 1968: April, 75, 91-95
 clinical evaluation of, 1968: April, 72
 cranial nerves and, 1968: April, 105
 epidural, spinal cord and, irradiation for, 1968: April, 106-108
 follicular, 1968: April, 12
 herpes zoster and, 1968: April, 105
 immunologic considerations in, 1968: April, 35
 incidence of, age and, 1968: April, 79
 induction by irradiation, 1968: April, 57-61
 intracranial involvement in, 1968: April, 101-105
 intussuscepting, of terminal ileum, 1969: April, 91
 mechlorethamine for, 1968: April, 91
 mode of spread of, 1968: April, 28
 neurologic manifestations and complications of, 1968: April, 97-109
 nitrogen mustard for, 1968: April, 91
 of bone, diagnosis of, 1970: Aug., 222
 pathology of, 1968: April, 71
 peripheral nerves and, 1968: April, 105
 prognosis in, age and sex and, 1968: April, 79
 radiation therapy for, dose-time relationships in, 1968: April, 73
 neurologic complications of, 1968: April, 105-106
 "radical," 1968: April, 71-82
 results of, 1968: April, 77
 splenomegaly and intrasplenic defects due to, 1969: Aug., 258
- Lymphoma (Continued)
 surgery for, 1968: April, 75
 vs. leukemia, 1968: April, 4
 Lymphopoiesis, thymus gland and, 1968: April, 27
 Lymphosarcoma, 1968: April, 3, 10
 intestinal, vs. Whipple's disease, 1969: April, 110
 vs. leukemia, 1968: April, 5
- MACROGLOBULINEMIA and steatorrhea, roentgen findings in, 1969: April, 43-55
 Macrotomography, 1970: Aug., 254-258
- Malformations. See *Abnormalities and deformities* and under names of organs or parts.
- Mallory-Weiss syndrome, localization by arteriography, 1969: April, 132, 133
- Mandible, osteosarcoma of, 1970: Dec., 425-443
 radiation necrosis of, 1970: Dec., 420
- Marfan's syndrome vs. cystic medial necrosis of ascending aorta, 1968: Dec., 438
- Marginal artery of Drummond, anatomy of, 1970: April, 20
- Marrow. See *Bone marrow*.
- Marrow scanning. See under *Scanning*.
- Mastectomy, radical, electron beam therapy after, 1969: Aug., 314
- Mastocytosis, intestinal infiltration in, vs. Whipple's disease, 1969: April, 110
- Mastoid, tumors of, 1970: Dec., 388
- Maxilla, osteosarcoma of, 1970: Dec., 425-443
- Mechlorethamine for Hodgkin's disease and lymphoma, 1968: April, 91
- Meckel's diverticulum, calculi, vs. myxoglobulosis of appendix, 1969: April, 86
 reflux examination and, 1969: April, 180
 vs. ileal diverticulum, 1969: April, 90
- Mediastinum, abnormalities, radiologic features, pitfalls in evaluation, 1968: Dec., 451-465
 lymph nodes of, Hodgkin's disease and, 1968: April, 131
- Medication. See *Chemotherapy*.
- Megacolon, in Chagas' disease, 1969: April, 65
 toxic, in amebiasis, 1969: April, 61
- Megaesophagus, in Chagas' disease, 1969: April, 65
- Melphalan for plasmacytic myeloma, 1968: April, 92
- Meningioma, parasagittal, blood flow in patient with, 1969: Aug., 247
 scan of, 1969: Aug., 263
- Meningocele, as cause of neurogenic bladder, 1968: Aug., 161
- Meningomyelocele as cause of neurogenic bladder, 1968: Aug., 161
- Meniscus sign in gastric ulcer, 1969: April, 15
- Mesenteric artery, inferior, anatomy of, 1970: April, 14
 superior, anatomy of, 1970: April, 3, 12
- π -Mesons, negative, 1969: Aug., 337
- Metabolism, cell, radiosensitivity and, 1969: Aug., 286
 of bone, 1970: Aug., 186-190
- Metaphyseal bands, radiolucent, in leukemia, 1968: April, 116
- Metaphyseal dysostosis vs. achondroplasia, 1968: Aug., 224
- Metatropic dwarfism vs. achondroplasia, 1968: Aug., 232

- Methotrexate for leukemia, 1968: April, 84
- Microspheres, human serum albumin, 1969: Aug., 238
 labeled with short-lived radionuclides, 1969: Aug., 237
- Middle ear, tumors of, 1970: Dec., 388
- Mineralization of bone, dynamics of, 1970: Aug., 188
- Mitral valve, diseases, pulmonary vasculature and, 1968: Dec., 312
 vs. rheumatic endocarditis, 1968: Dec., 404
 with congenitally bicuspid aortic valve, 1968: Dec., 414
 stenosis, pulmonary vasculature and, 1968: Dec., 313
 with left-to-right shunt, blood flow and, 1968: Dec., 324
 with pulmonary varices, radiologic features, 1968: Dec., 461
- Molybdenum-99, decay scheme of, 1969: Aug., 227
- Molybdenum-99-technetium-99m generator, relative activity vs. time for, 1969: Aug., 222
- Mongolism, acetabular and iliac angles in, 1968: Aug., 217
 pelvic index in, nomogram for evaluation of, 1968: Aug., 216
- MTC. See *Thyroid gland, medullary carcinoma of*.
- Mouth, carcinoma of, electron beam treatment of, 1969: Aug., 310
- Mucopolysaccharides, urine, bone disease and, 1970: Aug., 210
- Mucous membrane, reactions of, to electron beam therapy, 1969: Aug., 303
- Muscle, reactions of, to electron beam therapy, 1969: Aug., 303
- Mycoplasma, leukemia and, 1968: April, 52-53
- Mycosis fungoides, 1968: April, 10
- Myelitis, radiation, 1968: April, 105
- Myelofibrosis, scan of patient with, 1969: Aug., 276
 whole-body marrow scan and, 1969: Aug., 265
- Myeloma, multiple, diagnosis of, 1970: Aug., 200
 serum chemistry in, 1970: Aug., 213
 plasmacytic, melphalan for, 1968: April, 92
- Myeloproliferative disorders, bone changes in, 1970: Aug., 201
- Myelosclerosis, 1970: Aug., 193
 diagnosis of, 1970: Aug., 201
- Myleran. See *Busulfan*.
- Myopathy, causing difficulty in swallowing, 1969: April, 114
- Myxoglobulosis of appendix, 1969: April, 83
- Myxoma, left atrium, pulmonary vasculature and, 1968: Dec., 316
- NASAL cavity and paranasal sinuses, tumors of, roentgen diagnosis, 1970: Dec., 343-360
- Nasal polyp in infants and children, 1968: Aug., 268
- Nasopharynx, angiofibroma of, angiography and, 1970: Dec., 308
 obstruction, in infants and children, 1968: Aug., 266
 tumors, obstructive, 1968: Aug., 268
 roentgen diagnosis of, 1970: Dec., 323-342
- Neck, and head, tumors of, diagnosis of (symposium), 1970: Dec., 291-485
 dissemination via cranial nerves, 1970: Dec., 445-461
- Neoplasms. See *Carcinoma; Tumors*; specific lesions, and names of organs.
- Nerves, cranial, in dissemination of head and neck tumors, 1970: Dec., 445-461
 metastatic invasion of, roentgen signs in, 1970: Dec., 455
 tomography and, 1970: Dec., 458
 cranial and peripheral, Hodgkin's disease and, 1968: April, 105
- Neurofibromatosis, as cause of neurogenic bladder, 1968: Aug., 162
- Neurogenic bladder in childhood, 1968: Aug., 155-163
- Neutrons, fast, for radiation therapy, 1969: Aug., 365-374
- Newborn. See also *Children*.
 defects in, associated with abnormalities of amnion and amniotic fluid, 1968: Aug., 279-293
- Nitrogen mustard for Hodgkin's disease and lymphoma, 1968: April, 91
- Nuclear medicine, and therapeutic radiology, symposium on, 1969: Aug., 193-374
- Nuclides, parent-daughter relationships of, 1969: Aug., 222
 radioactive. See *Radionuclides*.
- OCCIPITAL encephalocele, 1968: Aug., 284, 285
- Oligohydramnios, 1968: Aug., 287-290
 fetal abnormalities associated with, 1968: Aug., 288
- Omentopexia, postoperative radiologic features, 1968: Dec., 454
- Opacification, of extrahepatic portal venous system, 1970: April, 26
- Ophthalmic arteriography, 1970: Dec., 407
- Oral cavity, roentgen examination of, 1970: Dec., 413-424
 tumors of, roentgen diagnosis of, 1970: Dec., 420
- Orbit, tumors of, roentgen diagnosis of, 1970: Dec., 403-412
 venography of, 1970: Dec., 409
- Orbitography, positive contrast, 1970: Dec., 411
- Oropharynx, inclusion cysts of, 1968: Aug., 272
 obstruction, in infants and children, 1968: Aug., 268
 roentgen examination of, 1970: Dec., 413-424
 tumors of, roentgen diagnosis of, 1970: Dec., 413
- Osteitis deformans, diagnosis of, 1970: Aug., 202
- Osteitis fibrosa, serum chemistry in, 1970: Aug., 212
- Osteoarthropathy, 1970: Aug., 204
- Osteoblastoma, diagnosis of, 1970: Aug., 224
- Osteoclastoma, diagnosis of, 1970: Aug., 219
- Osteodystrophy, renal, 1970: Aug., 192
 serum chemistry in, 1970: Aug., 212
- Osteogenesis, dynamics of, 1970: Aug., 187
 neoplastic, 1970: Aug., 204
 reactive, 1970: Aug., 203
- Osteogenesis imperfecta, small acetabular or iliac angles in, 1968: Aug., 219, 220
- Osteolysis, dynamics of, 1970: Aug., 189
 in leukemia, 1968: April, 122
- Osteomalacia, 1970: Aug., 192
 diagnosis of, 1970: Aug., 200
 serum chemistry in, 1970: Aug., 211
- Osteomyelitis, arteriography in diagnosis, 1970: Aug., 287
 thermography and, 1970: Aug., 243

- Osteopetrosis, 1970: Aug., 193
 diagnosis of, 1970: Aug., 202
- Osteoporosis, 1970: Aug., 192
 diagnosis of, 1970: Aug., 198
 serum chemistry in, 1970: Aug., 213
- Osteosarcoma, diagnosis of, 1970: Aug., 218
 of jaw bones, 1970: Dec., **425-443**
- Osteosclerosis, 1970: Aug., 193
- Ostium primum syndrome, blood flow and, 1968: Dec., 323
- Oxygen, hyperbaric, in radiation therapy, 1969: Aug., **345-351**
- Oxygen enhancement ratio, 1969: Aug., 365
- PAGET's disease, diagnosis of, 1970: Aug., 202
- Palate, tumors of, 1970: Dec., 416, 420
- Palatoglossal sulcus, lesions of, electron beam treatment of, 1969: Aug., 312
- Pancreas, adenocarcinoma, scanning in, 1970: April, 104
 carcinoma, in children, 1969: April, 129
 disorders of, hypotonic duodenography in, 1970: April, 129
 lymphography in, 1970: April, 75-84
 radiology of (symposium), 1970: April, **1-145**
 scanning of, 1969: Aug., 259
 radioisotopes in, 1970: April, **115-123**
 radionuclides in, 1970: April, 99-104
- Pancreatic artery, variations of, 1970: April, 9
- Pancreatic-midcolic anastomosis, dorsal, anatomy of, 1970: April, 16
- Pancreaticoduodenal arcade, anatomy of, 1970: April, 14
- Pancreatitis, chronic, scanning in, 1970: April, 104
 hypotonic duodenography in, 1970: April, 129
- Panography, bone disorders and, 1970: Aug., **241-249**
- Papilloma, of larynx, 1968: Aug., 277
 of pharynx in infants and children, 1968: Aug., 268
- Paranasal sinuses, tumors of, roentgen diagnosis, 1970: Dec., **343-360**
- Parasagittal meningioma, blood flow of patient with, 1969: Aug., 247
 scan of, 1969: Aug., 263
- Paraspinal mass, in Hodgkin's disease, 1968: April, 131-134
- Parathyroid glands, adenoma, scan of, 1969: Aug., 262
 tumors of, angiography and, 1970: Dec., 314
- Parathyroid hormone, bone physiology and, 1970: Aug., 189
- Parotid gland, tumors of, 1970: Dec., 480
 electron beam treatment of, 1969: Aug., 310
- Pediatric radiology (symposium), 1968: Aug., **153-294**
- Pelvic index in mongoloidism, evaluation, nomogram for, 1968: Aug., 216
- Penetrating sign in gastric ulcer, 1969: April, 10
- Perception, adaptation of, 1969: Dec., 398-400
 fluidity and "ambiguous figures," 1969: Dec., 395, 396
 mechanism of, 1969: Dec., **393-401**
 of roentgen image (symposium), 1969: Dec., **379-501**
- Perception (Continued)
 of roentgen image, image quality and, 1969: Dec., **419-433**
 related to learning radiology in medical school, 1969: Dec., **485-497**
 statistical assessment of observer variability in, 1969: Dec., **381-392**
 visual search behavior and, 1969: Dec., **403-417**
- Peristalsis, duodenal, abnormal, cinefluorography in study of, 1969: April, 170
 esophageal, normal, 1969: April, 148-150
- Pertechnetate-99m, in thyroid studies, 1969: Aug., 247
- Perthes' disease, longitudinal growth and skeletal maturation in, 1968: Aug., **245-251**
- Pharyngo-esophageal junction, functional disorders, 1969: April, **113-119**
- Pharynx, papilloma, in infants and children, 1968: Aug., 268
 posterior diverticulum of, cricopharyngeal achasia and, 1969: April, 116
 tumors of, roentgen diagnosis and treatment planning, 1970: Dec., **293-305**
- Phenylalanine mustard for plasmacytic myeloma, 1968: April, 92
- Pheochromocytoma, medullary thyroid carcinoma and, 1970: Dec., 469
- Phleboliths, vs. myxoglobulosis of appendix, 1969: April, 86
- Phosphatase, alkaline, serum, bone disease and, 1970: Aug., 210
- Phosphorus, radioactive, for leukemia, 1968: April, 83
 serum and urine, normal values, 1970: Aug., 208
- Photoscanning. See *Scanning*.
- Pierre-Robin syndrome, 1968: Aug., 268
- Pions, negative, 1969: Aug., 337
- Pituitary gland, ablation, by radiosurgery, 1969: Aug., 324
- Placenta, insufficiency, oligohydramnios due to, 1968: Aug., 289
- Platelets, transfusion of, for leukemia, 1968: April, 85
- Polaroid camera, in dynamic studies, 1969: Aug., 244
- Polycystic disease of kidney, 1968: Aug., 194, 195
 in oligohydramnios, 1968: Aug., 289
- Polyhydramnios, 1968: Aug., 282-287
- Polyps, nasal, in infants and children, 1968: Aug., 268
 of colon, in childhood, carcinoma and, 1969: April, 125
 of gallbladder, cholecystography in, 1970: April, 93
- Porocephalosis, 1969: April, 77
- Portal hypertension, in cirrhosis, 1970: April, 71
 liver panangiography and, 1970: April, **147-167**
- Portal vein catheter, 1970: April, 50
- Portal venous system, anatomy of, 1970: April, 20-29
 extrahepatic, opacification of, 1970: April, 26
- Portal venous thrombosis, hepatomas and, 1970: April, 33, 37
- Positron brain scanner, three dimensional, 1969: Aug., 208
- Positron emitters, production of, 1969: Aug., 209
 short-lived, availability and production of, by compact cyclotrons, 1969: Aug., **207-219**
- Positron radiations, characteristics of, 1969: Aug., 207

- Potter's facies, 1968: Aug., 288
- Potter's syndrome, 1968: Aug., 288
- PPL0, leukemia and, 1968: April, 52-53
- Pregnancy, Hodgkin's disease and, 1968: April, **111-114**
- twin, polyhydramnios due to, 1968: Aug., 287
- Presbyesophagus, 1969: April, 161
- Pressure defects, extrinsic, of liver, scanning in, 1970: April, 110
- Pro-Banthine. See *Propantheline bromide*.
- Propantheline bromide (Pro-Banthine), glaucoma and, 1970: April, 127
- Pseudofractures, due to hyperparathyroidism, 1970: Aug., 194
- Pseudoleukemia, 1968: April, 4
- Pulmonary. See also *Lungs*.
- Pulmonary arteries, aneurysm, bilateral, 1968: Dec., 459
- obstruction, 1968: Dec., 312
- poststenotic dilatation, 1968: Dec., 460
- stenosis, 1968: Dec., 312
- Pulmonary atresia, with intact ventricular septum, 1968: Dec., 375-381
- clinical signs, 1968: Dec., 361
- Pulmonary hypertension. See *Hypertension, pulmonary*.
- Pulmonary lesions, observer variability and, description and classification, 1969: Dec., 387-390
- detection, 1969: Dec., 383-387
- Pulmonary-renal syndrome, hemorrhagic, radiologic features, 1968: Dec., 464
- Pulmonary valve, stenosis, and atresia, 1968: Dec., **367-382**
- isolated, clinical signs, 1968: Dec., 361
- pulmonary vasculature and, 1968: Dec., 310
- radiologic features, 1968: Dec., 370
- with left-to-right shunt, blood flow and, 1968: Dec., 324
- with poststenotic dilatation, 1968: Dec., 460
- Pulmonary veins, anomalous connections, blood flow and, 1968: Dec., 322
- stenosis or thrombosis, 1968: Dec., 316
- QUANTUM mottle, image perception and, 1969: Dec., 425
- RADIATION, dosimetry, in pancreatic disorders, 1970: April, 100
- nonpenetrating, 1969: Aug., 195
- penetrating, 1969: Aug., 196
- positron, characteristics of, 1969: Aug., 207
- Radiation safety, for technetium generators, 1969: Aug., 229
- Radiation therapy. See also specific conditions.
- chemotherapy and, planning of, 1969: Aug., 288
- complications of, 1969: Aug., 336
- dose limitations in, 1969: Aug., 281
- electron beam, 1969: Aug., 301-317
- extended-field, for Hodgkin's disease, 1968: April, **63-70**
- fast neutrons for, 1969: Aug., **365-374**
- for cancer of pharynx and paranasal sinuses, roentgen diagnosis and, 1970: Dec., **293-305**
- Radiation therapy (*Continued*)
- for Hodgkin's disease and lymphoma, neurologic complications of, 1968: April, 105-106
- for leukemia, 1968: April, **83-89**
- for lymphoma, "radical," 1968: April, **71-82**
- fractionated, tumor reoxygenation in, 1969: Aug., 288
- hybaroxic, present status of, 1969: Aug., **345-351**
- leukemia and lymphoma induction by, 1968: April, **57-61**
- Lhermitte's sign and, 1968: April, 105
- mammalian radiobiology and, 1969: Aug., **281-292**
- of paraspinal mass in Hodgkin's disease, 1968: April, 132
- split-dose approach in, 1969: Aug., **293-299**
- tumor immunology and, 1969: Aug., **353-364**
- with high-energy heavy charged particles, treatment procedures in, 1969: Aug., 331
- Radiobiology, mammalian, radiotherapy and, 1969: Aug., **281-292**
- research in, 1969: Aug., 322-324
- Radioisotopes. See also specific entries.
- scanning. See *Scanning*.
- ultrashort-lived, in scanning, 1969: Aug., 250
- Radiology, pediatric (symposium), 1968: Aug., **153-294**
- therapeutic. See also *Radiation therapy* and under specific conditions.
- and nuclear medicine, symposium on, 1969: Aug., **193-374**
- Radionuclide dosimetry, 1969: Aug., **195-205**
- Radionuclide generators, construction of, 1969: Aug., 223
- short half-lived, available and potential, 1969: Aug., **221-232**
- Radionuclides, for bone scanning, 1969: Aug., 271
- for marrow scanning, 1969: Aug., 267
- in liver scanning, 1970: April, 104-112
- in pancreatic scanning, 1970: April, 99-104
- subtraction technique, 1970: April, 101
- short-lived, in nuclear medicine, 1969: Aug., 201
- microspheres labeled with, 1969: Aug., 237
- tumor detection by selective uptake of, 1969: Aug., **257-264**
- Radiopharmaceuticals, recently developed, 1969: Aug., **233-241**
- Radiosensitivity, and cell metabolism, 1969: Aug., 286
- of tumors and normal tissues, 1969: Aug., 282
- Radiosurgery, high-energy heavy charged particles and, 1969: Aug., 324
- Radiotherapy. See *Radiation therapy* and under specific conditions.
- Reactors, radiopurity and, 1969: Aug., 211
- Reflux examination, of small intestine, 1969: April, **175-184**
- Regional enteritis, reflux examination and, 1969: April, 181
- Reliability index, in roentgen diagnosis, 1970: Aug., 237-239
- Renal. See also *Kidney*.
- Renal dysplasia, 1968: Aug., 191
- cystic, familial, bilateral, 1968: Aug., **197**
- Resorption of bone, dynamics of, 1970: Aug., 189
- Respiratory tract, upper, obstruction in infants and children, 1968: Aug., **265-277**

- Reticulum cell sarcoma, in animal model, 1968: April, 25-40
 of bone marrow and lymph nodes, 1968: April, 11
 thoracic, roentgen manifestations, 1968: April, 143-149
- Retinopathy, diabetic, treatment of, 1969: Aug., 326
- Retropharyngeal abscess in infants and children, 1968: Aug., 271
- Retrosternal mass, in Hodgkin's disease, 1968: April, 134-136
- Rhabdomyosarcoma, embryonal, of nasopharynx, 1968: Aug., 268
- Rheumatic fever, acute, vs. rheumatic endocarditis, 1968: Dec., 399
- Rheumatic heart disease, vs. pulmonic stenosis, 1968: Dec., 372
- Rickets, 1970: Aug., 192
 diagnosis of, 1970: Aug., 200
 serum chemistry in, 1970: Aug., 211
- Riolan, arc of, anatomy of, 1970: April, 20
- Roentgen anatomy, of bone, 1970: Aug., 183-186
- Roentgen image, perception of (symposium), 1969: Dec., **379-501**. See also *Perception*.
 processing of, automatic, 1969: Dec., **473-483**
 computer, 1969: Dec., **461-471**
 electro-optical, 1969: Dec., **447-460**
- Roentgen physiology, of bone, 1970: Aug., 190-197
- Roger's disease. See *Septal defects, ventricular, isolated*.
- Rose bengal, excretion of, liver function and, 1970: April, 115
- SACRUM, absence of small acetabular or iliac angles in, 1968: Aug., 219, 220
 anomalies, as cause of neurogenic bladder, 1968: Aug., 161
- Salivary glands, radioisotopic scanning, 1970: Dec., 483
 tumors of, roentgen diagnosis of, 1970: Dec., **475-485**
 sialography and, 1970: Dec., 477
- Sarcoma, Ewing's, diagnosis of, 1970: Aug., 222
 arteriography in, 1970: Aug., 280, 283
 osteogenic, arteriography in diagnosis, 1970: Aug., 284
 of fibula, 1969: Aug., 260
 parosteal, diagnosis of, 1970: Aug., 219
 reticulum cell, in animal model, 1968: April, **25-40**
 of bone marrow and lymph nodes, 1968: April, 11
 thoracic, roentgen manifestations of, 1968: April, **143-149**
- Scandium-47, in bone scanning, 1969: Aug., 272
- Scanning, labeled microspheres and, 1969: Aug., 238, 239
 of bone, 1968: Aug., **265-280**; 1970: Aug., **259-270**
 agents and instruments for, 1969: Aug., 271
 interpretation of, 1969: Aug., 276
 normal, 1969: Aug., 277
 of bone marrow, 1969: Aug., **265-280**
 agents and instruments for, 1969: Aug., 267
 of brain, 1969: Aug., 236
 tumors and, 1969: Aug., 263
 with three-dimensional positron, 1969: Aug., 208
 with ytterbium-169 DTPA, 1969: Aug., 235
- Scanning (*Continued*)
 of cardiovascular system, 1969: Aug., 247-251
 with ultra-short-lived nuclides, 1969: Aug., 250
 of joints, 1969: Aug., 278
 of liver, amebic abscess and, 1969: April, 63
 indications for, 1970: April, 119
 radioisotopes in, 1970: April, **115-123**
 radionuclides in, 1970: April, 104-112
 tumors and, in children, 1969: April, 128
 vs. angiography, 1970: April, 31
 of pancreas, 1969: Aug., 259
 carcinoma and, in children, 1969: April, 129
 radioisotopes in, 1970: April, **115-123**
 radionuclides in, 1970: April, 99-104
 of salivary glands, radioisotopes in, 1970: Dec., 483
 radioisotope, in liver and pancreatic disorders, 1970: April, **115-123**
 rectilinear, 1969: Aug., 243
- Schistosomiasis, 1969: April, 74
- Sclerosis, ischemic, of bone, 1970: Aug., 203
- Scurvy, diagnosis of, 1970: Aug., 199
- Search behavior, perception of roentgen image and, 1969: Dec., **403-417**
- Seldinger technique, in hepatic neoplasms, 1970: April, 32
- Septal defects, aorticopulmonary, blood flow and, 1968: Dec., 321
 atrial and ventricular, blood flow and, 1968: Dec., 322, 323
 ventricular, isolated, endocardial cushion type, 1968: Dec., 357
 new concepts, 1968: Dec., **327-342**
- ⁷⁵Se-selenomethionine, in pancreatic scanning, 1970: April, 100, 120, 121
 subtraction technique, 1970: April, 101
- Shunts, blood, in isolated ventricular septal defect, 1968: Dec., 332
 intrapulmonary, pulmonary vasculature and, 1968: Dec., 309
 left-to-right, blood flow and, 1968: Dec., **319-325**
 systemic-pulmonic, pulmonary vasculature and, 1968: Dec., 308
 transpulmonary, Anger camera view of, 1969: Aug., 240
- Sialography, salivary gland tumors and, 1970: Dec., 477
- Signal detectability theory, image perception and, 1969: Dec., **435-445**
- Sinus, aortic, aneurysm, blood flow and, 1968: Dec., 322
- Sinuses, paranasal, tumors of, roentgen diagnosis and treatment planning, 1970: Dec., **293-305**
- Skeleton. See *Bones*.
- Skin, lesions of, electron beam therapy for, 1969: Aug., 309
 lymphoid tumors of, 1968: April, 10
 reactions of, to electron beam therapy, 1969: Aug., 302
- Skull, impressions, biparietal, in oligohydramnios, 1968: Aug., 289
- Sphincter compressae urethrae muscle, 1968: Aug., 178
 clinical significance, 1968: Aug., 182
- Spiculation, hypotonic duodenography and, 1970: April, 129
- Spina bifida occulta, neurogenic bladder due to, 1968: Aug., 161

- Spinal cord, Hodgkin's disease and, 1968: April, 97-101
 lymphoma and, 1968: April, 97-101
 irradiation for, 1968: April, 106-108
- Spine. See also *Vertebrae*.
 anomalies, as cause of neurogenic bladder, 1968: Aug., 161
 macrotomography of, 1970: Aug., 256
 tomography of, 1970: Aug., 252
- Spleen, irradiation of, for leukemia, 1968: April, 83
- Splenic artery, branches of, 1970: April, 7
- Splenoportography, in liver panangiography, 1970: April, 148, 150, 157, 163
- Split-dose approach in radiation therapy, 1969: Aug., 293-299
- Sponge kidney, medullary, 1968: Aug., 199
- Sprains, thermography and, 1970: Aug., 242
- Sprue, vs. Whipple's disease, 1969: April, 110
- Stationary imaging systems, for dynamic studies, 1969: Aug., 244
- Steady-state imaging, 1969: Aug., 250
- Steatorrhea and macroglobulinemia, roentgen findings in, 1969: April, 43-55
- Stenosis. See also name of structure or system involved.
 subaortic, hypertrophic, idiopathic, angiography in, 1968: Dec., 423-435
 subglottic, congenital, 1968: Aug., 273
- Stents, intraoral, for electron beam therapy, 1969: Aug., 306, 307
- Stomach, carcinoma, in young people, 1969: April, 121
 cinefluorography in study of, 1969: April, 166
 hemorrhage, localization by arteriography, 1969: April, 132
 ulcer, bleeding, localization by arteriography, 1969: April, 132, 134, 135
 discovery and differential diagnosis, 1969: April, 5-25
 signs of benignancy, 1969: April, 10-15
 signs of malignancy, 1969: April, 15-21
- Strongyloidiasis, 1969: April, 69
- Strontium isotopes, in bone scanning, 1968: Aug., 272; 1970: Aug., 260
- Subaortic stenosis, hypertrophic, idiopathic, angiography in, 1968: Dec., 423-435
- Subglottic stenosis, congenital, 1968: Aug., 273
- Sudeck's atrophy, 1970: Aug., 193
- Swallowing. See *Deglutition*.
- TAENIASIS, 1969: April, 71
- Tapeworm infestation, 1969: April, 71
- Technetium-99m, in clinical nuclear medicine, 1969: Aug., 226-230
- Teeth, radiation necrosis of, 1970: Dec., 421
 root resorption, tumors of jaw and, 1970: Dec., 427
- Temporomandibular joint, tomography of, 1970: Aug., 252
- Ter-Pogossian camera, dynamic studies with, 1969: Aug., 244
- Tetralogy of Fallot, vs. pulmonic stenosis, 1968: Dec., 371
- Thermography, bone disorders and, 1970: Aug., 241-249
- Thoracic asphyxiating dystrophy vs. achondroplasia, 1968: Aug., 229
- Thoracic duct, lymphography of, 1970: April, 71
- Thrombosis, intracardiac, 1968: Dec., 456
 portal venous, hepatomas and, 1970: April, 33, 37
- Thymoma, ectopic, vs. lymphoid hamartoma, 1968: April, 15, 19
 malignant, 1968: Dec., 451
- Thymus gland, delayed hypersensitivity and, 1968: April, 42
 Hodgkin's disease and, 1968: April, 9, 42
 lymphopoiesis and, 1968: April, 27
- Thyroglossal cyst, 1968: Aug., 272
- Thyroid gland, dynamic studies of, 1969: Aug., 247
 lingual, 1968: Aug., 272
 medullary carcinoma of, pheochromocytoma and, 1970: Dec., 469
 roentgen diagnosis of, 1970: Dec., 463-474
 nonfunctioning nodules of, detection of, 1969: Aug., 257
 scan of "cold" nodule in, 1969: Aug., 258
 tumors of, angiography and, 1970: Dec., 314
- Thyroid trapping, in Graves' disease, 1969: Aug., 248
- Tin-113, decay scheme for, 1969: Aug., 231
- Tomography, bone disorders and, 1970: Aug., 251-258
 neural metastasis and, 1970: Dec., 458
 of gallbladder, 1970: April, 89
 of nasopharynx, 1970: Dec., 329
- Tongue, action, cinefluorography in study of, 1969: April, 165
 carcinoma of, electron beam treatment of, 1969: Aug., 311
 tumors of, roentgen diagnosis of, 1970: Dec., 414
- Tongue worm infestation, 1969: April, 77
- Tonsillar fossa, lesions of, electron beam treatment of, 1969: Aug., 312
- Toxic megacolon, in amebiasis, 1969: April, 61
- Trabeculae, of bones, roentgen diagnosis based on changes in, 1970: Aug., 197-205
- Transfusion, of platelets, for leukemia, 1968: April, 85
- Transjugular cholangiography, 1970: April, 53-67.
 See also under *Cholangiography*.
- Transmission imaging, with study of cardiac blood pool, 1969: Aug., 250
- Transpulmonary shunting, Anger camera view of, 1969: Aug., 240
- Trauma, arteriography in, 1970: Aug., 278-280
- Trichuriasis, 1969: April, 70
- Tricuspid valve, abnormalities, congenital, angiocardiology in, 1968: Dec., 383-398
 atresia, angiocardiology in, 1968: Dec., 391
 disorders, vs. pulmonic stenosis, 1968: Dec., 372
 Ebstein's anomaly, clinical signs, 1968: Dec., 361
 stenosis, pulmonary vasculature and, 1968: Dec., 310
 with left-to-right shunt, blood flow and, 1968: Dec., 324
- Trigonal canal, anatomy and physiology, 1968: Aug., 171
 clinical significance, 1968: Aug., 180
- Tropical diseases of gastrointestinal tract, 1969: April, 57-81
- Truncus arteriosus, persistent, blood flow and, 1968: Dec., 321

- Trypanosomiasis, American, 1969: April, 65
- Tumor cells, reproductive potential of, 1969: Aug., 282
- Tumor immunology, and response to radiation therapy, 1969: Aug., **353-364**
- Tumor reoxygenation, during fractionated radiotherapy, 1969: Aug., 288
- Tumor therapy, high-energy heavy charged particles and, 1969: Aug., 325
- Tumors. See also *Carcinoma*; specific lesions, and names of organs.
- detection of, by selective uptake of radionuclides, 1969: Aug., **257-264**
 - electron beam treatment of, 1969: Aug., 309-316
 - of bone, arteriography in diagnosis, 1970: Aug., 280-285
 - macrotopography and, 1970: Aug., 257
 - pathology and roentgen diagnosis, 1970: Aug., **215-226**
 - serum chemistry in, 1970: Aug., 213
 - of carotid body, angiography and, 1970: Dec., 310
 - of external auditory canal, 1970: Dec., 387
 - of glomus intravagale, angiography and, 1970: Dec., 311
 - of glomus jugulare, angiography and, 1970: Dec., 310
 - of head and neck, diagnosis of (symposium), 1970: Dec., **291-485**
 - of inner ear, 1970: Dec., 394
 - of larynx, obstructive, 1968: Aug., 276
 - of liver, infusion angiography in, 1970: April, **43-51**
 - metastatic, scanning in, 1970: April, 108
 - selective angiography in, 1970: April, **31-40**
 - of lymph nodes, malignant, 1968: April, 3-13. See also *Lymphoma*.
 - of middle ear and mastoid, 1970: Dec., 388
 - of nasal cavity and paranasal sinuses, roentgen diagnosis, 1970: Dec., **343-360**
 - of nasopharynx, obstructive, 1968: Aug., 268
 - roentgen diagnosis of, 1970: Dec., **323-342**
 - of oral cavity, roentgen diagnosis of, 1970: Dec., 420
 - of orbit, roentgen diagnosis of, 1970: Dec., **403-412**
 - of oropharynx, roentgen diagnosis of, 1970: Dec., 413
 - of palate, 1970: Dec., 416, 420
 - of parotid gland, 1970: Dec., 480
 - of pharynx and paranasal sinuses, roentgen diagnosis and treatment planning, 1970: Dec., **293-305**
 - of salivary glands, roentgen diagnosis of, 1970: Dec., **475-485**
 - of temporal bone, 1970: Dec., **387-402**
 - of thyroid and parathyroid glands, angiography and, 1970: Dec., 314
 - radiosensitivity of, 1969: Aug., 282
- Twin pregnancy, polyhydramnios due to, 1968: Aug., 287
- ULCER, duodenal, bleeding, localization by arteriography, 1969: April, 132, 137
- gastric, bleeding, localization by arteriography, 1969: April, 132, 134, 135
- Ulcer (*Continued*)
- gastric, discovery and differential diagnosis, 1969: April, **5-25**
 - signs of benignancy, 1969: April, 10-15
 - signs of malignancy, 1969: April, 15-21
 - of small intestine, localized and nonspecific, 1969: April, **97-103**
- Ulceration, hypotonic duodenography in, 1970: April, 129
- Ulcerative colitis, in childhood, carcinoma and, 1969: April, 125
- Unsharpness, causes, 1969: Dec., 421
- Ureter, effects of ectopic ureterocele on, 1968: Aug., 208
- Ureterocele, ectopic, 1968: Aug., **205-214**
 - clinical and radiographic findings, 1968: Aug., 206-212
- Urethra, anatomy, 1968: Aug., 167
 - roentgen, 1968: Aug., 171, 179
 - male and female, similarities, 1968: Aug., 170, 171
 - physiology, roentgen, 1968: Aug., 171, 179
- Urethral segment, distal, 1968: Aug., 176
 - clinical significance, 1968: Aug., 182
- Urethrogram, normal, 1968: Aug., **165-189**
- Urethrovessical junction, diameter, 1968: Aug., 171
- Uricosuria, excessive, congenital, 1968: Aug., **239-243**
- Urinary tract obstruction, lower, dysplasia with, 1968: Aug., 193
 - oligohydramnios due to, 1968: Aug., 289
- Urogenital diaphragm, anatomy and physiology, 1968: Aug., 176
 - clinical significance, 1968: Aug., 182
- VALVES, heart. See names of valves.
- Varices, esophageal, localization by arteriography, 1969: April, 132, 134
 - pulmonary, with mitral valve stenosis, 1968: Dec., 461
- Vascular anatomy of abdominal viscera, 1970: April, **3-29**
- Veins, pulmonary, anomalous connections, blood flow and, 1968: Dec., 322
 - stenosis or thrombosis, 1968: Dec., 316
- Velban. See *Vinblastine*.
- Venography, hepatic, wedged, 1970: April, 156
- orbital, 1970: Dec., 409
- Ventricles, left, dilatation, in isolated ventricular septal defect, 1968: Dec., 335
 - failure, pulmonary vasculature and, 1968: Dec., 313
 - normal, angiography and, 1968: Dec., 425
 - overload, pulmonary vasculature and, 1968: Dec., 316
 - right, enlargement, in isolated ventricular septal defect, 1968: Dec., 337
 - failure, pulmonary vasculature and, 1968: Dec., 311
- Ventricular septal defects. See *Septal defects, ventricular*.
- Vernix granulomatosis, 1968: Aug., 289
- Vertebrae. See also *Spine*.
- blocked, as cause of neurogenic bladder, 1968: Aug., 162

Vertebrae (Continued)

- scaloping, in neurogenic bladder, 1968: Aug., 160, 162
- tomography of, 1970: Aug., 252
- Vinblastine for Hodgkin's disease, 1968: April, 93
- Vineberg procedure, postoperative radiologic features, 1968: Dec., 454
- Viscera, abdominal, vascular anatomy of, 1970: April, 3-29
- Vitamin A, excess of, diagnosis of, 1970: Aug., 202
- Vitamin D, bone physiology and, 1970: Aug., 190
- excess of, diagnosis of, 1970: Aug., 201, 203
- Vocal cords, tumors of, roentgen diagnosis and treatment planning, 1970: Dec., 298
- roentgen findings, 1970: Dec., 368
- Volvulus of sigmoid colon, in Chagas' disease, 1969: April, 66

WALDENSTRÖM's syndrome, and steatorrhea, roentgen findings in, 1969: April, 43-55

Webs, congenital, of larynx, 1968: Aug., 273

Weigert-Meyer rule in duplicated kidney, 1968: Aug., 205

Whipple's disease, 1969: April, 105-111

Wilms' tumor, vs. simple renal cyst, 1968: Aug., 202

XENON, in brain scanning, 1969: Aug., 245

in cardiac scanning, 1969: Aug., 250

in lung scanning, 1969: Aug., 251

Xenon-133, in dynamic brain scanning, 1969: Aug., 245

Xeroradiography, 1970: Aug., 271-275

YOUNG people, gastrointestinal carcinoma in, 1969: April, 121-130

Ytterbium-169 DTPA, 1969: Aug., 234

excretion of, 1969: Aug., 235

radiation dose with, 1969: Aug., 236

whole body retention of, in mice, 1969: Aug., 235

Yttrium-87m, in bone scanning, 1969: Aug., 273

ZENKER's diverticulum, cricopharyngeal achalasia and, 1969: April, 116

Zollinger-Ellison syndrome, vs. Whipple's disease, 1969: April, 110

